

WHAT IS CLAIMED IS:

1. A label stock comprising in order at least one pragmatic sheet, a pressure sensitive adhesive and a compliant carrier sheet.
2. The label stock of claim 1 wherein said compliant carrier sheet will recover to 90% of original thickness after compression of between 25 and 50% of original thickness.
3. The label stock of claim 1 wherein said compliant carrier sheet recovers 95% of the original thickness in less than 2 seconds after removal of load.
4. The label stock of claim 1 wherein said compliant carrier sheet comprises at least one voided layer.
5. The label stock of claim 1 wherein said compliant carrier sheet comprises a polyester polymer sheet having at least one voided layer.
6. The label stock of claim 1 wherein said compliant carrier sheet comprises a voided layer adjacent said adhesive.
7. The label stock of claim 6 wherein said compliant carrier sheet comprises a release layer between said adhesive and said voided layer.
8. The label stock of claim 1 wherein said compliant carrier sheet has a compliant factor of between 20 and 100 micrometers measured at 1.2 MPa.
9. The label stock of claim 1 wherein said compliant carrier sheet has a modulus of at least 2500 MPa.

10. The label stock of claim 1 wherein said compliant carrier sheet is reflective to collimated light energy.

11. The label stock of claim 1 wherein said compliant carrier sheet has a surface resistivity of less than 10^{12} ohms per square.

12. The label stock of claim 1 wherein said adhesive has a thickness of between 12 and 25 micrometers.

13. The label stock of claim 1 wherein said at least one pragmatic sheet comprises a thermal dye receiver layer.

14. The label stock of claim 1 wherein said at least one pragmatic sheet has a bulk modulus of between 2000 and 100,000 MPa.

15. The label stock of claim 1 wherein said at least one pragmatic sheet comprises cellulose paper.

16. The label stock of claim 1 wherein said at least one pragmatic sheet is substantially transparent.

17. The label stock of claim 1 wherein said at least one pragmatic sheet comprises a gelatin layer adjacent to said adhesive.

18. The label stock of claim 1 wherein said compliant sheet is provided with a thermal dye receiving layer on the side opposite to said adhesive.

19. The label stock of claim 1 wherein said compliant sheet is provided with an ink jet receiving layer on the side opposite to said adhesive

20. A method of forming labels comprising providing a label stock comprising in order at least one pragmatic sheet, a pressure sensitive adhesive and a compliant carrier sheet, thermal dye transfer printing a label image on said pragmatic sheet, cutting said label image, and removing matrix material from said label images.

21. The method of claim 20 wherein cutting said label is performed with a laser cutter.

22. The method of claim 20 wherein cutting said label is performed with a reciprocating X-Y cutter.

23. The method of claim 20 wherein cutting said image does not cut said compliant sheet.

24. The method of claim 20 wherein cutting said image cuts to a depth of less than 5 micrometers.